

**TRI Total Releases (1995 and 1999-2000), Original\* (Manufacturing) Industries**

	1995	1999	2000	Change 1999-2000		Change 1995-2000	
	Pounds	Pounds	Pounds	Pounds	Percent	Pounds	Percent
<b>On-site Releases</b>							
Total Air Emissions	1,593,998,004	1,184,024,043	1,104,442,103	-79,581,940	-6.7	-489,555,901	-30.7
Fugitive Air Emissions	394,172,754	269,152,806	249,329,161	-19,823,645	-7.4	-144,843,593	-36.7
Point Source Air Emissions	1,199,825,250	914,871,237	855,112,942	-59,758,295	-6.5	-344,712,308	-28.7
Surface Water Discharges	194,280,852	256,457,046	255,054,853	-1,402,193	-0.5	60,774,001	31.3
Underground Injection	248,942,151	200,786,511	206,084,829	5,298,318	2.6	-42,857,322	-17.2
On-site Land Releases	286,029,668	336,786,793	296,873,973	-39,912,820	-11.9	10,844,305	3.8
On-site Landfills	85,045,415	110,746,084	121,943,698	11,197,614	10.1	36,898,283	43.4
Land Treatment	11,753,387	9,050,057	9,830,844	780,787	8.6	-1,922,543	-16.4
Surface Impoundments	64,951,286	73,865,097	51,848,623	-22,016,474	-29.8	-13,102,663	-20.2
Other Disposal	124,279,580	143,125,555	113,250,808	-29,874,746	-20.9	-11,028,772	-8.9
<b>Total On-site Releases</b>	<b>2,323,250,675</b>	<b>1,978,054,393</b>	<b>1,862,455,758</b>	<b>-115,598,634</b>	<b>-5.8</b>	<b>-460,794,917</b>	<b>-19.8</b>
<b>Off-site Releases</b>							
Storage Only <sup>a</sup>	2,385,500	6,409,809	8,368,501	1,958,692	30.6	5,983,001	250.8
Solidification/Stabilization <sup>b</sup>	26,444,178	133,674,143	142,368,443	8,694,300	6.5	115,924,265	438.4
Metal and Metal Compounds Only							
Wastewater Treatment (Excluding POTWs) <sup>c</sup>	3,882,834	6,583,581	6,703,869	120,288	1.8	2,821,035	72.7
Metal and Metal Compounds Only							
Transfers to POTWs <sup>d</sup>	2,722,085	3,144,502	3,143,092	-1,410	0.0	421,008	15.5
Metal and Metal Compounds Only							
Underground Injection	17,558,677	29,512,416	35,362,719	5,850,303	19.8	17,804,042	101.4
Landfills/Surface Impoundments	226,812,753	230,868,234	247,047,840	16,179,606	7.0	20,235,087	8.9
Land Treatment	4,456,014	4,301,369	4,864,479	563,110	13.1	408,465	9.2
Other Land Disposal	12,405,563	14,225,321	10,332,633	-3,892,688	-27.4	-2,072,930	-16.7
Other Off-site Management	15,476,626	11,215,244	8,348,274	-2,866,970	-25.6	-7,128,352	-46.1
Transfers to Waste Broker for Disposal	6,605,824	11,743,932	14,412,045	2,668,114	22.7	7,806,221	118.2
Unknown <sup>e</sup>	2,007,919	3,814,218	5,156,951	1,342,733	35.2	3,149,032	156.8
<b>Transfers Off-site to Disposal (Transfers Off-site to Disposal)</b>	<b>320,757,973</b>	<b>455,492,768</b>	<b>486,108,846</b>	<b>30,616,078</b>	<b>6.7</b>	<b>165,350,873</b>	<b>51.6</b>
<b>Total On- and Off-site Releases</b>	<b>2,644,008,648</b>	<b>2,433,547,161</b>	<b>2,348,564,604</b>	<b>-84,982,557</b>	<b>-3.5</b>	<b>-295,444,044</b>	<b>-11.2</b>

**Note:** Does not include PBT chemicals, vanadium and vanadium compounds. **On-site Releases** are from Section 5 of Form R. **Off-site Releases** are from Section 6 (transfers off-site to disposal) of Form R. **Off-site Releases** include metals and metal compounds transferred off-site for solidification/stabilization and for wastewater treatment, including to POTWs. Breakdown of Underground Injection and On-site Land Releases (for RCRA Subtitle C landfills) began in the 1996 reporting year.

<sup>a</sup> Storage only (disposal code M10) indicates that the toxic chemical is sent off-site for storage because there is no known disposal method. Amounts reported as transferred to storage only are included as a form of disposal (off-site release).

<sup>b</sup> Beginning in reporting year 1997, transfers to solidification/stabilization of metals and metal compounds (waste treatment code M41) are reported separately from transfers to solidification/stabilization of non-metal TRI chemicals (waste treatment code M40). Because this treatment method prepares a metal for disposal, but does not destroy it, such transfers are included as a form of disposal (off-site release). Reports under code M40 of metals and metal compounds have been included in solidification/stabilization of metals and metal compounds in this report.

<sup>c</sup> Beginning in reporting year 1997, transfers to wastewater treatment (excluding POTWs) of metals and metal compounds (waste treatment code M61) are reported separately from transfers to wastewater treatment of non-metal TRI chemicals (waste treatment code M60). Because wastewater treatment does not destroy metals, such transfers are included as a form of disposal (off-site release). Transfers of metals and metal compounds reported under code M60 have been included in transfers of metals and metal compounds to wastewater treatment.

<sup>d</sup> Reported as discharges to POTWs in Section 6.1 of Form R. EPA considers transfers of metals and metal compounds to POTWs as an off-site release because sewage treatment does not destroy the metal content of the waste material.

<sup>e</sup> Unknown (disposal code M99) indicates that a facility is not aware of the type of waste management used for the toxic chemical that is sent off-site. Amounts reported as unknown transfers are treated as a form of disposal (off-site release).

\* "Original" industries include facilities in manufacturing SIC codes 20-39 as well as federal facilities that report activities in the manufacturing SIC codes or activities not falling within the new industry SIC codes. "New" industries include federal facilities that report activities in the new industry SIC codes.